The National Estuaries Restoration Inventory

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National Estuaries Restoration Inventory (NERI)

The purpose of the inventory is to:

- Track the acres of habitat restored toward the one million acre goal of the Estuary Restoration Act
- Serve as a knowledgebase by providing information on restoration techniques and monitoring
- Provide information for reports transmitted to Congress

ERA Council:
ACOE, NOAA, EPA, FWS, NRCS

http://neri.noaa.gov

NERI Project Requirements

To be included in the inventory, projects must...

- Benefit estuaries and associated ecosystems
- Include monitoring to gauge the success of restoration efforts

If a project meets the following criteria, it will count towards the ERA acreage goal...

- Implementation began on or after November 7, 2000
  (date the Act was signed into law)
- Project monitoring meets ERA Council Monitoring Standards
- Project is not compensatory

NERI Features

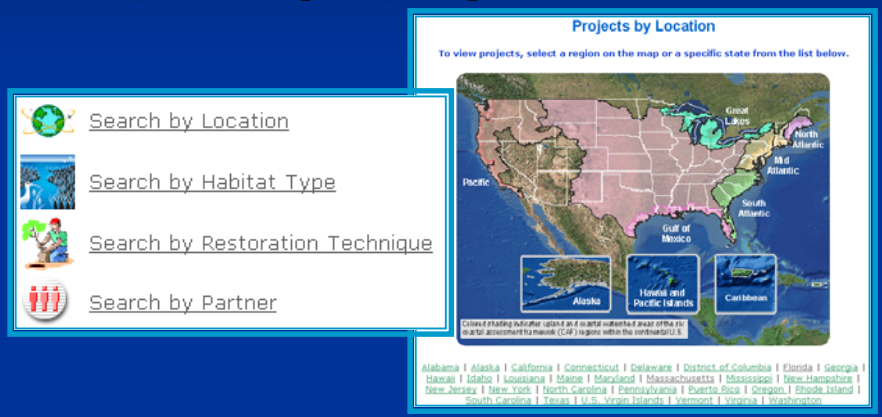
- Inventory is publicly accessible
- Public can search inventory and run pre-defined reports
- Project summary pages with photos are available for individual projects

- Project managers can access and update project information through a password protected account

http://neri.noaa.gov

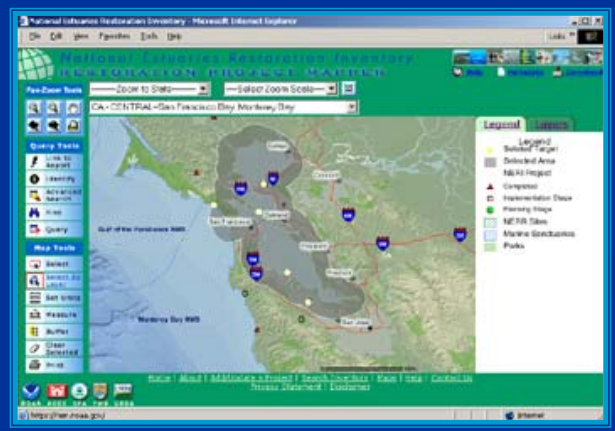
NERI Search Capabilities

Search for individual projects by location, habitat, techniques, or partners...



Use additional fields to perform a detailed search...

Use the Restoration Project Mapper to perform a spatial search...



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NERI Reporting Capabilities

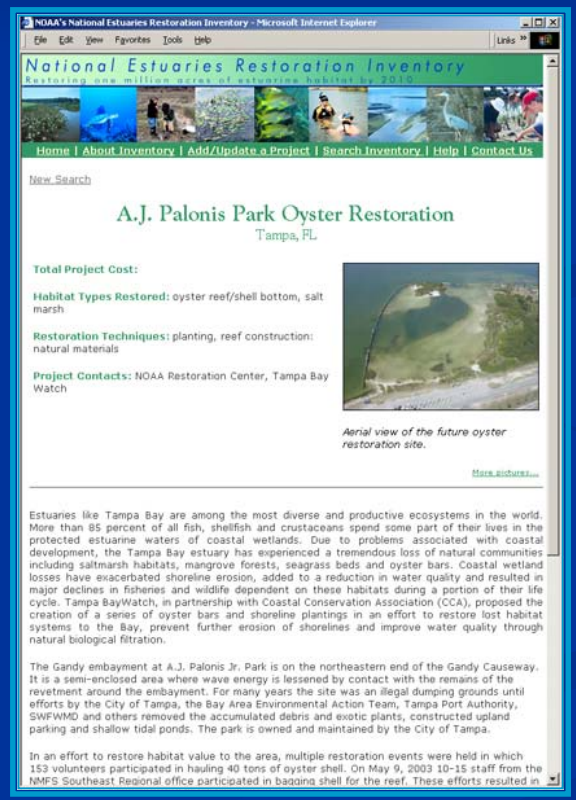
View the inventory's status reports...

Show me:

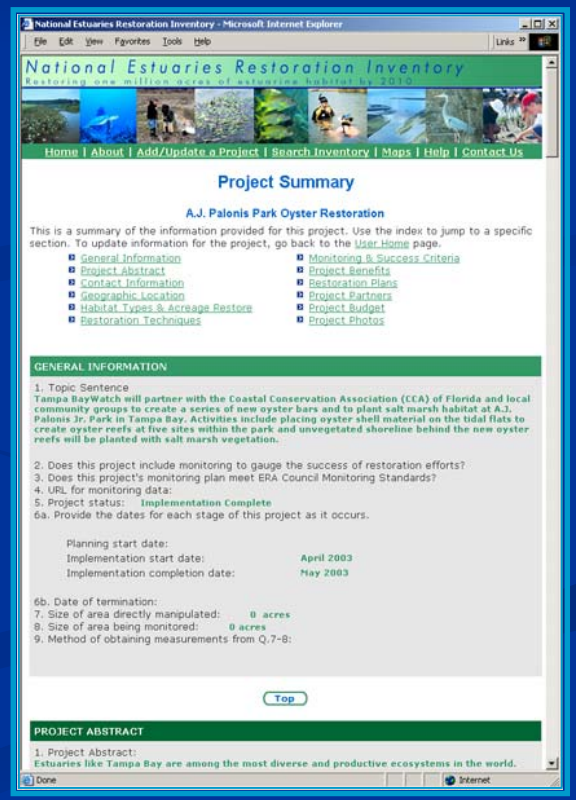
Select one

- Select one
- Acres Restored by Habitat and Region
- Total Acres Restored by Region
- Total Acres Restored by Habitat Type
- Acres To Be Restored by Project Status
- Number of Projects by Project Status
- Acres Created, Rehabilitated, and Reestablished
- Complete List of Estuary Restoration Projects

View project profiles...



View full project reports...



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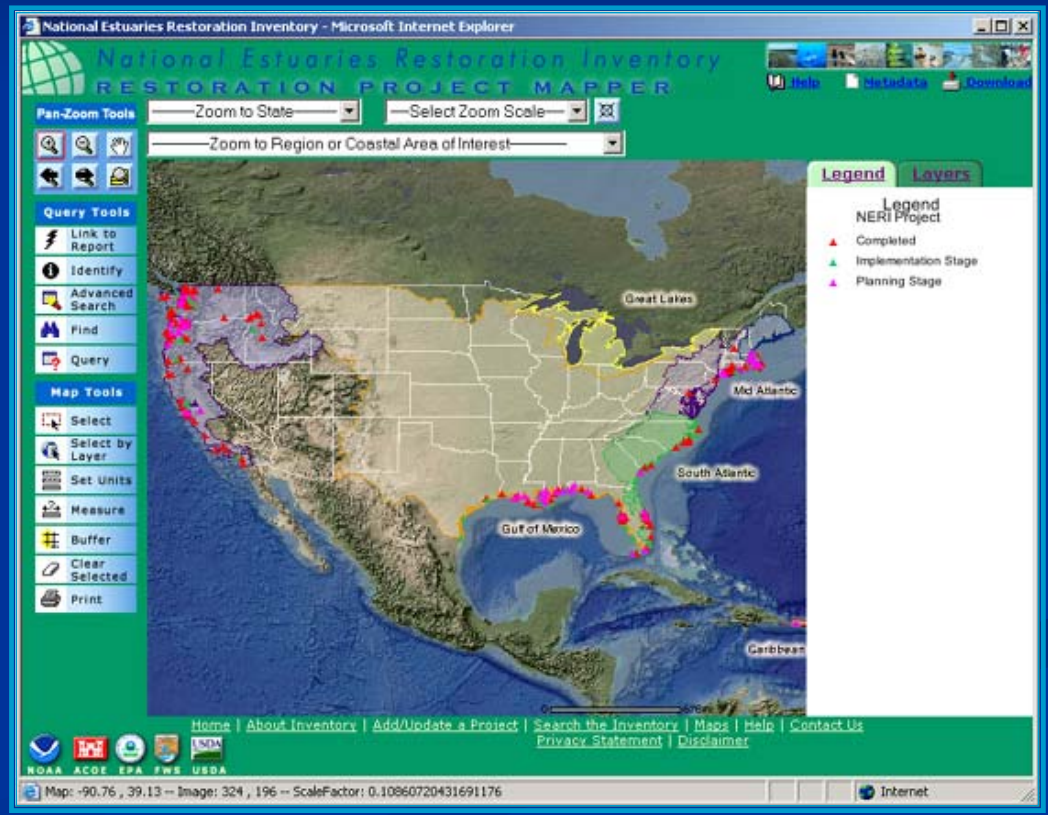
NERI Mapping Features

- Printable maps of restoration project information
- Interactive maps displaying project information along with base data layers such as public lands, watersheds, and jurisdictional boundaries.
- Spatial queries using the database and geographic data layers of interest
- Future enhancements will include higher resolution data layers and links to location data fields tracked in NERI

NERI Restoration Project Mapper



Scheduled for August 2004

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National Estuaries Restoration Inventory

Restoring one million acres of estuarine habitat by 2010

NERI Demo

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National Estuaries Restoration Inventory

Restoring one million acres of estuarine habitat by 2010

Data Collection

What types of data are collected?

- Project description
- Location
- Acres restored (by habitat)
- Restoration techniques (by habitat)
- Monitoring parameters (by habitat)
- Project partners and contacts
- Project photographs
- Project benefits
- Project budget
- Regional planning information

Whose data will be included?

- ☑ NOAA projects
  - ☑ Restoration Center (NMFS)
  - ☑ Coastal Protection and Restoration Division (NOS)
  - ❑ **Other NOAA projects**
- ☐ Other Federal Agencies

  Currently coordinating with USFWS to collect data on restoration projects
- ☐ State and Local Governments
- ☐ Regional Organizations
- ☐ Nonprofit Organizations

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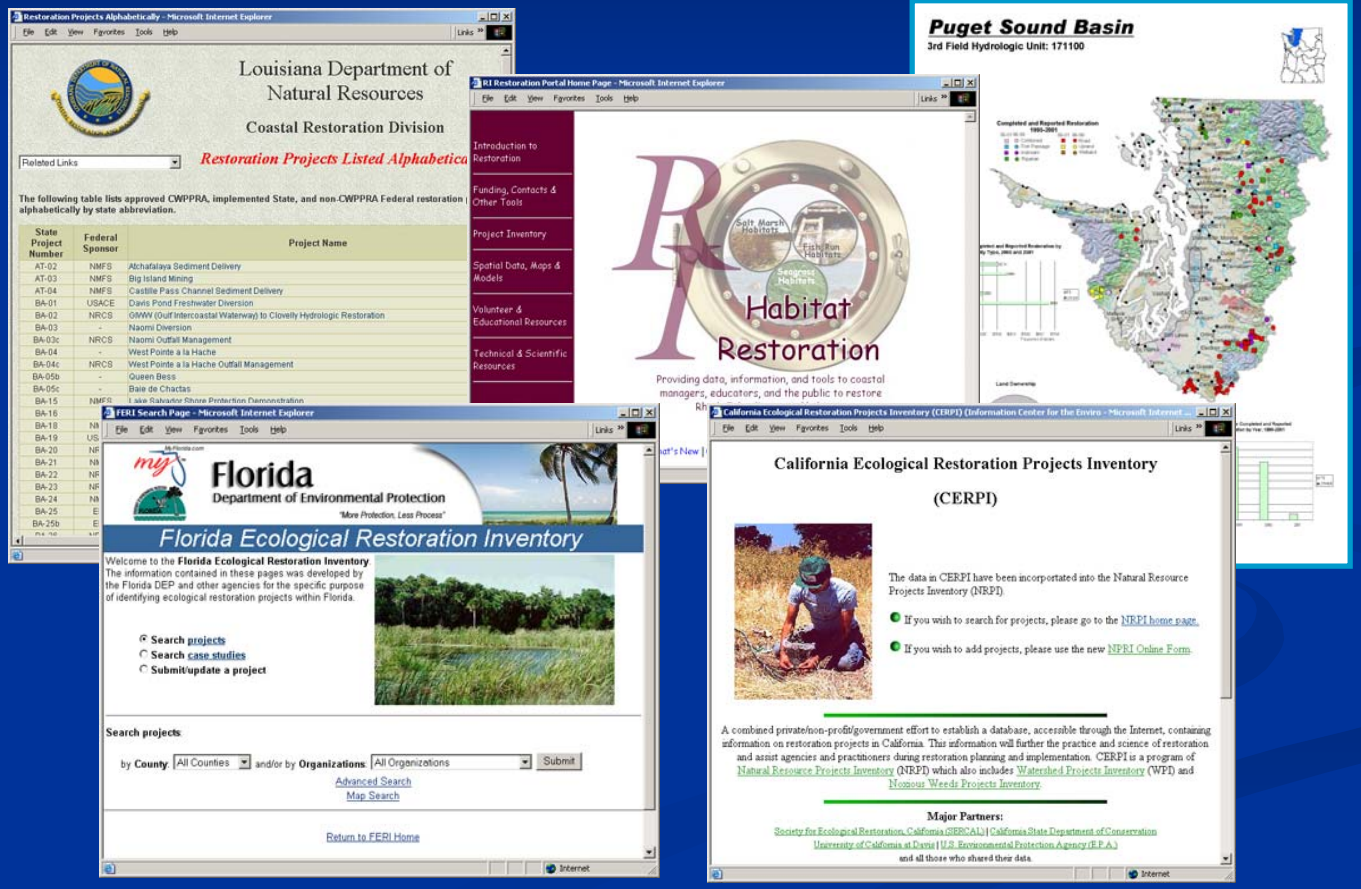
State/Regional inventories



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Pilot Data Collection Efforts – Regional

- NERI database will store the project information
- Partner web sites will link to NERI database
- Partner projects can be displayed/searched as subset of NERI database

Gulf of Mexico Foundation

Gulf of Maine Council on the Marine Environment

From the Gulf of Maine Habitat Restoration Strategy...

"The database section of the web portal will be a geographic module of the National Estuary Restoration Inventory and will be accessible through the GOM web portal as well as through the NERI itself. This will allow the GOM Council to leverage NOAA's technical capacity in the development of the restoration inventory and will provide NOAA with essential restoration data for three New England states and two Canadian provinces."

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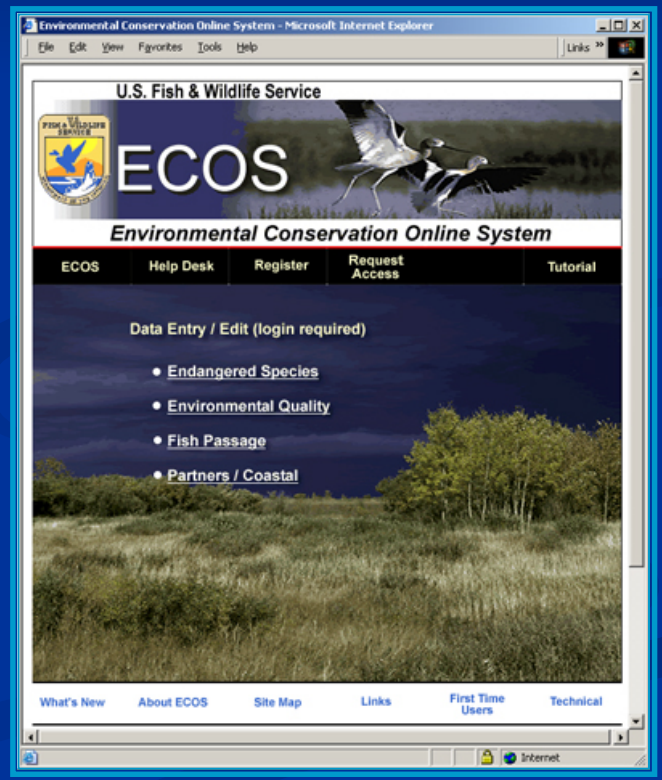
Pilot Data Collection Efforts – Federal

US Fish and Wildlife Service

- Habitat Information Tracking System (HabITS)
- Link to the FWS Coastal Program tracking system to add valuable information to NERI without duplicating data entry



Benefits to participation in NERI

- Track and manage restoration projects
- Generate project summary reports based on desired criteria
- Increase public awareness and promote participation in restoration activities
- Maximize project partnership opportunities
- Use interactive mapping or advanced search capabilities to locate regional restoration efforts in order to assist in future restoration planning and design

National Estuaries Restoration Inventory

Restoring one million acres of estuarine habitat by 2010

- Does your program have an existing system to track acres restored and/or other details on restoration projects?
- How can NERI serve your program's needs?
  - Reporting – project and summary reports
  - Public outreach
  - Spatial analysis/mapping
  - Project tracking
- What assistance is needed to include your program's projects?
  - Build upon regional data collection efforts in the Gulf of Maine and Gulf of Mexico regions
  - NOAA Restoration Center staff is available to facilitate importing from existing project databases
  - Possible summer intern assistance

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Restoring one million acres of estuarine habitat by 2010

Questions?
Comments?

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We need your feedback...

- Does your program have an existing database to track acres restored and/or other details on restoration projects?
- Are key fields compatible?
  - Habitat types
  - Restoration categories
  - Techniques
- Is it feasible to design/retrofit internal databases for compatibility/data-sharing with the national inventory?
  - Common identifier
  - Project "ownership"
- Would simply using the national inventory instead of creating your own database be useful internally?
  - What features would be necessary?